

WHAT IS CLAIMED IS:

1. A facsimile apparatus capable of performing facsimile communication via the Internet, comprising:
  - communication means capable of performing
- 5 session-based facsimile communication and e-mail-based facsimile communication via the Internet; and
  - control means for selecting either one of session-based data communication form and e-mail-based data communication form in accordance with a selected
- 10 transmission mode, and causing said communication means to execute facsimile communication in accordance with the selected data communication form.
2. The apparatus according to claim 1, wherein when the transmission mode is set to automatic selection, said
- 15 control means selects the e-mail-based data communication form for an A4 original size, and the session-based data communication form for a B4 or A3 original size.
3. The apparatus according to claim 1, wherein said apparatus further comprises detection means for detecting
- 20 a signal delay time to a calling destination, and
  - said control means selects the e-mail-based data communication form when the signal delay time detected by said detection means is longer than a predetermined time, and selects the session-based data communication form when
- 25 the signal delay time is shorter than the predetermined time.

4. The apparatus according to claim 3, wherein said apparatus further comprises registration means for registering, in correspondence with the calling destination, a data communication form which is selected

5 by said control means and used for facsimile communication to the calling destination, and

said control means selects a data communication form for communication to a current calling destination on the basis of information registered in said registration means

10 prior to detection of the signal delay time by said detection means, and if said control means cannot select any data communication form, detects the signal delay time by said detection means.

5. The apparatus according to claim 1, wherein said

15 apparatus further comprises second detection means for detecting a reception capability of an external device at a calling destination, and

said control means changes a transmission original size in accordance with the reception capability detected

20 by said second detection means.

6. The apparatus according to claim 5, wherein said control means converts a B4- or A3-size original into an A4-size original in accordance with the reception capability.

25 7. A facsimile apparatus control method capable of performing facsimile communication via the Internet,

comprising the steps of:

selecting either one of session-based data communication form and e-mail-based data communication form in accordance with a selected transmission mode; and

5 causing a communication unit capable of performing session-based facsimile communication and e-mail-based facsimile communication to execute facsimile communication in accordance with the selected data communication form.

8. The method according to claim 7, wherein when the  
10 transmission mode is set to automatic selection, the e-mail-based data communication form is selected for an A4 original size, and the session-based data communication form is selected for a B4 or A3 original size.

9. A computer-readable storage medium which stores a  
15 communication program for performing facsimile communication via the Internet, the communication program comprising:

a code of the communication step capable of performing session-based facsimile communication and  
20 e-mail-based facsimile communication via the Internet; and

a code of the control step of selecting either one of session-based data communication form and e-mail-based data communication form in accordance with a selected transmission mode in executing communication by the code  
25 of the communication step, and executing facsimile communication in accordance with the selected data

communication form.

10. The medium according to claim 9, wherein the code of the control step comprises, when the transmission mode is set to automatic selection, selecting the e-mail-based data communication form for an A4 original size, and the session-based data communication form for a B4 or A3 original size.

11. A computer-readable storage medium which stores a communication program for performing facsimile communication via the Internet, the communication program comprising:

a code of the selection step of selecting either one of session-based data communication form and e-mail-based data communication form in accordance with a selected transmission mode; and

a code of the control step of causing a communication unit capable of performing session-based facsimile communication and e-mail-based facsimile communication to execute facsimile communication in accordance with the data communication form selected by the code of the selection step.

12. The medium according to claim 11, wherein the code of the control step comprises, when the transmission mode is set to automatic selection, selecting the e-mail-based data communication form for an A4 original size, and the session-based data communication form for a B4 or A3 original size.